

Monitoring of HIV treatment in seven countries in the WHO region of the Americas Suivi du traitement du VIH dans sept pays de la Région OMS des Amériques Monitoreo del tratamiento del VIH en siete países de la Region de las Americas de la OMS

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© 2015, World Health Organization. All Rights Reserved. Objective To determine the prevalence of adequate monitoring and the costs of measuring CD4+ T-lymphocytes (CD4+ cell) and human immunodeficiency virus (HIV) viral load in people receiving antiretroviral therapy (ART) in seven countries in the WHO Region of the Americas. Methods We obtained retrospective, longitudinal data for 14 476 adults who started a first ART regimen at seven HIV clinics in Argentina, Brazil, Chile, Haiti, Honduras, Mexico and Peru between 2000 and 2011. We estimated the proportion of 180-day periods with adequate monitoring, which we defined as at least one CD4+ cell count and one viral

load measurement. Factors associated with adequate monitoring were analysed using regression methods. The costs of the tests were estimated. Findings The median follow-up time was 50.4 months; the proportion of 180-day periods with adequate CD4+ cell counts was 69% while the proportion with adequate monitoring was 62%. Adequa